

Table 3-2

Results of likelihood ratio test and parameter estimates with their standard errors (in parentheses) for the reduced ($H_0: P_A = P_D$) and generalized ($H_A: P_A \neq P_D$) models (model I in Section 2.8) for chinook salmon passage immediate survival (1 h) at two test scenarios at spillbays 2 (no flow deflector) and 4 (flow deflector) of Bonneville Dam, October 1995. Calculations based on ignoring heterogeneity in control trials.

Parameter	Spillbay 4: Flow Deflector		Spillbay 2: No Flow Deflector
	$H_0: P_A = P_D$		
S	0.977 (0.0064)		0.961 (0.0082)
P	1.0* (N/A)		1.0* (N/A)
τ	1.0		1.0
90% CI on τ	0.993 - 1.0		0.972 - 1.0
	$H_A: P_A \neq P_D$		
S	0.977 (0.0064)		0.961 (0.0082)
P_A	1.0* (N/A)		1.0* (N/A)
P_D	1.0* (N/A)		1.0* (N/A)
τ	1.0		1.0
90% CI on τ	0.993 - 1.0		0.972 - 1.0

* Parameter value set to 1.0 when maximum likelihood estimate (MLE) exceeded admissible range.

** Likelihood ratio tests (LRT) of equal recapture probabilities of alive and dead fish could not be rejected ($P > 0.05$) for either scenario. $LRT=0$ $P(X^2_{1,0.05}=3.84)$.